

Description

The 8342 RA Rosin Flux Paste is a superior, electronic grade flux paste that makes surface-mount, electrical, and electronics soldering faster and easier. It is designed for lead-free alloys and also works well with conventional leaded solders. It is easy to apply and stays where it is applied. Residues are easy to clean and does not contain zinc chloride or ammonium chloride.

Applications

The 8342 flux is used for solder touch up, repair, or rework surface-mount assemblies via brushing or dispensing.

Benefits & Features

- **Excellent wettability**
- **High tack force**
- **Long tack time**

ENVIRONMENT

RoHS Compliant

Usage Parameters

| Properties | Value |
|------------------------------------|-------|
| Shelf Life after DOM ^{a)} | 1 y |

a) DOM=Date of Manufacturing

Temperature Ranges

| Properties | Value |
|----------------------------|------------------------------|
| Storage Temperature Limits | 22 to 27 °C [72 to 80 °F] |

Flux Paste Properties

| Physical Properties | Method | Value |
|-------------------------------------|--------------------|------------------------|
| Appearance | Visual | Amber paste |
| Flux Classification | J-STD-004 | ROM1 |
| Flux Type | " | Rosin |
| Flux Activity | " | Moderate |
| Halides %(wt) | " | 0.5-2.0% |
| pH | | 6.0-7.0 |
| Copper Mirror | IPC-TM-650 2.3.32 | Pass |
| Corrosion Resistance | | No |
| Surface Insulation Resistance (SIR) | IPC-TM-650 2.6.3.3 | >1 × 10 ⁹ Ω |
| Cleaning requirements | — | Required ^{a)} |

a) To remove residues, clean with only hot deionized (DI) water at 48.8 °C [120 °F]

Storage and Shelf Life

Store at around room temperature and protect from direct heat or sunlight.

Cleaning

Removal of the flux residue is required. To remove residues, clean with only hot deionized (DI) water at 48.8 °C [120 °F].

Health and Safety

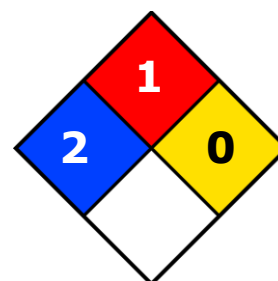
Please see the 8342 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Health and Safety: Wear protective gloves/clothing/eye protection. Wash hands thoroughly after use. Do not ingest.

HMIS® RATING

| | |
|-----------------------------|----------|
| HEALTH: | 2 |
| FLAMMABILITY: | 1 |
| PHYSICAL HAZARD: | 0 |
| PERSONAL PROTECTION: | |

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Application Instructions

Apply flux by brushing, dipping, or direct dispensing via the syringe.

Packaging and Supporting Products

| <i>Cat. No.</i> | <i>Packaging</i> | <i>Net Volume</i> | | <i>Net Weight</i> | |
|-----------------|------------------|-------------------|------------|-------------------|--------|
| 8342-50G | Jar | 37.7 mL | 1.28 fl oz | 50 g | 1.7 oz |



ISO 9001 Registered Quality System.
Burlington, Ontario, Canada QMI File # 004008

RA Rosin Flux Paste 8342 Technical Data Sheet

8342

Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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Warranty

M.G. Chemicals Ltd. warrants this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

Disclaimer

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. *M.G. Chemicals Ltd.* does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.